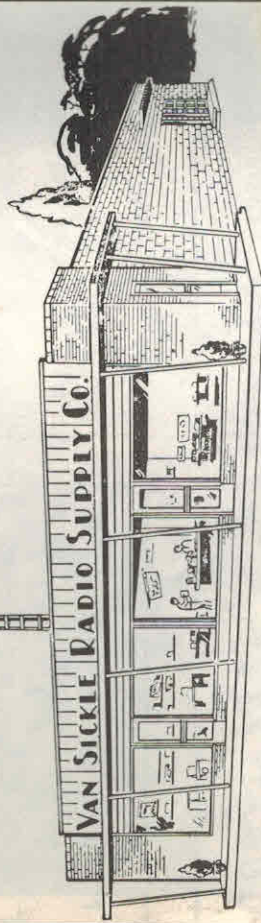


Gene

Van Sickle,

W9KJF

Features Ham gear in  
new Finest Electronic  
Supermarket with per-  
sonal service.



PROMPT PERSONAL SERVICE \* LIBERAL TRADES \* EASY TERMS

#### IN STOCK

\*EICO \*Hammarlund \*Drake \*P & H \*Gon-Set  
\*Hallicrafter \*National \*Central \*Hy-Gain \*Mosely  
\*And Other Popular Brands of HAM GEAR

One-Acre Parking Lot

**4131 N. Keystone Ave.**

On North East Side of Indianapolis

OPEN DAILY 9:00 to 6:00  
INCLUDING SATURDAY

"We Are Equipped To Service Everything We Sell"

# Wochmen

JANUARY - 1965

PUBLISHED BY  
**INDIANAPOLIS RADIO CLUB, INC.**  
FOUNDED 1914



**INDIANAPOLIS RADIO CLUB, INC.**  
2223 E. 74th Street  
Indianapolis, Indiana 46240

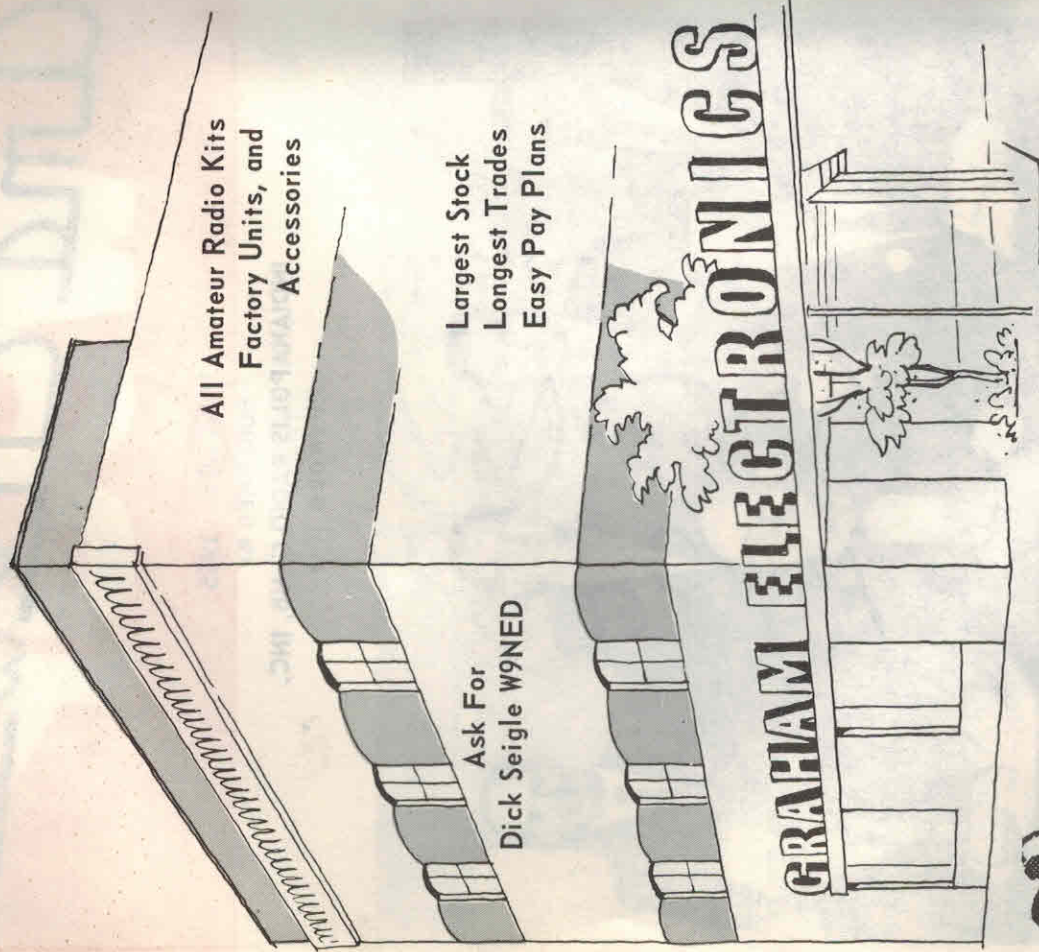


**ROBERT CASKEY, W9DNQ**  
2355 STUART ST.  
INDPLS., IND. 46218



Your one stop

# HAM HEADQUARTERS



**GRAHAM**  
*Electronics*  
**SUPPLY, INC.**

General Phone  
ME 4-8486

122 S. SENATE AVE. • INDIANAPOLIS

PLENTY OF FREE PARKING

The Indianapolis Radio Club meets on the second and fourth Fridays of each month except July and August in the Indianapolis Park Board Building at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., EST.

## AMA-CHEWER STAFF

### PRESIDENT

Bert Brouse  
6995 Barr Will Drive

K9JSF  
CL 5-9282

### EDITOR

Marshall Lincoln  
3514 North Riley

K9KTL  
LI 7-8148

### PUBLISHER

Pat Husk  
2223 East 74th Street

K9EUQ  
CL 3-2220

### MANAGER

Alvey Pittman  
2555 Westlane Road

W9JJC  
AX 1-9252

\*\*\*\*\*

Ama-Chewer is published monthly by and for the I.R.C. and all amateurs in the Indianapolis area. Non-members may subscribe for \$1.00 a year.

Publication is on the third Friday of each month, with all news items and ads due no later than the first Friday of each month.

Ham Ads (5 line limit) are free to members and subscribers. Others may submit ads for 50 cents each.

Ama-Chewer welcomes the forwarding of information on coming events and activities of other clubs for publication.



This installment of the Prez's Freq. marks my swan song as its author, and I must admit it is with mixed feelings that I perform this chore one last time. Of course there is a feeling of relief that this job as well as other tasks will be someone else's responsibility for the coming year. On the other hand, however, I must admit that I have derived a great deal of satisfaction and pleasure from the job.

It is a source of satisfaction to receive from the members the cooperation that I have enjoyed during the past year, and I want to thank all of you for your help.

I can only hope that the incoming officers will receive, as I am sure they will, the same wholehearted cooperation that has made my term a pleasure.

73 es sk,

W9APJ

\* \* \*

#### NEW OFFICERS

With the returns now in from the rural precincts, the results of the Indianapolis Radio Club election can now be reported. Back by popular demand, as the old saying goes, is Bert Brouse, K9JSF, chosen president for the coming year. Bert also was president in 1961.

Bert and the other new officers are shown on the cover of this issue. In the front, from the left, are Dick Kinnett, K9VIE, vice-president; Curly; and Ward Studor, WA9CCX, secretary. In the back are Walt Smith, WA9BHV, second director; Marsh Lincoln, K9KTL, chief operator; Jerry Lucas, W9APJ, first director, and Pat Husk, K9EUQ, treasurer.

\* \* \*

FOR SALE -- Swan 240 with AC power supply, near new condition, \$290. Charles Sebre, K9GEE, TU 1-9926 or TU 1-2044 after 5 p.m.



OLD TIMERS, ARISE

While everybody was stuffing in the calories at the gab session following Bob Annis' program on 'Magnetics' recently, it was noted that there were an unusually large number of distinguished, nay, debonair wireless hounds on the premises.

So the lens cap was removed and the above photo made of this group of distinguished gentlemen who have been active in club affairs for many a moon and truly are among the pioneers of ham radio in Indianapolis.

When the group was lined up for the photo, it was merely with the idea of "let's all us guys have our picture taken for old times' sake." But later it was realized that every one of these gents has been an officer of the IRC, and most of them have been president--and they're still able to smile!

For the young squirts who don't recognize their elders, here are the names and calls:

Front row: Paul Nelson, W9BHC; D. J. Angus, W9CYQ; Bob Caskey, W9DNQ; Bob Annis, ex-9CUD, and John Jones, W9FZW. Back row: Fred Manning, W9VPN; Bill Lueth, W9DSC; Alvey Pittman, W9JJC; Claude Richie, W9TKV, and Jerry Lucas, W9APJ.

Ray Forbes, W9HNS, should have been included, but he wasn't there--out taking a walk, probably.



## THE YEAR IN REVIEW

By Jerry Lucas, W9APJ

Here it is nearly time to ring out another year. What has the IRC done the past 12 months? Well, let's think back.

On Jan. 10, the then new officers were installed. On Jan. 24, the program consisted of two films obtained by a rather confused president from the Bell System library. This rather inauspicious beginning was more than compensated for by the following two programs. One on Feb. 14 featured Claude Richie, W9TKV; Harry Smith, W9TT; Ed Ward, K9CRS, and Marsh Lincoln, K9KTL, with hints on operating techniques. On Feb. 28, Earl Springer, W9HTB, gave us a program on Pulse Techniques Used in Air Traffic Control. On March 13, Frank Owens, K9VMG, and Hart Ward gave a talk and demonstration on the Cavity Resonator, a new type of hi-fi speaker. This was followed on the 27th by Dick Judkins and a down-to-earth explanation of Transistor Ignition systems. Bill Branche, K9CLO, on April 10 gave the low down on Cubical Quads, with Walt Smith, WA9BHV, explaining the mysteries of FM on April 24. Home brew night was on May 8, and the annual auction was on May 22. The first half of the year's programs was climaxed with a talk on SSB by Bob Creviston, K9VMG, on June 12.

Field Day was the weekend of June 27-28, and an enthusiastic gang turned out to operate four stations in a pasture field at 38th and Mitthoefer Road.

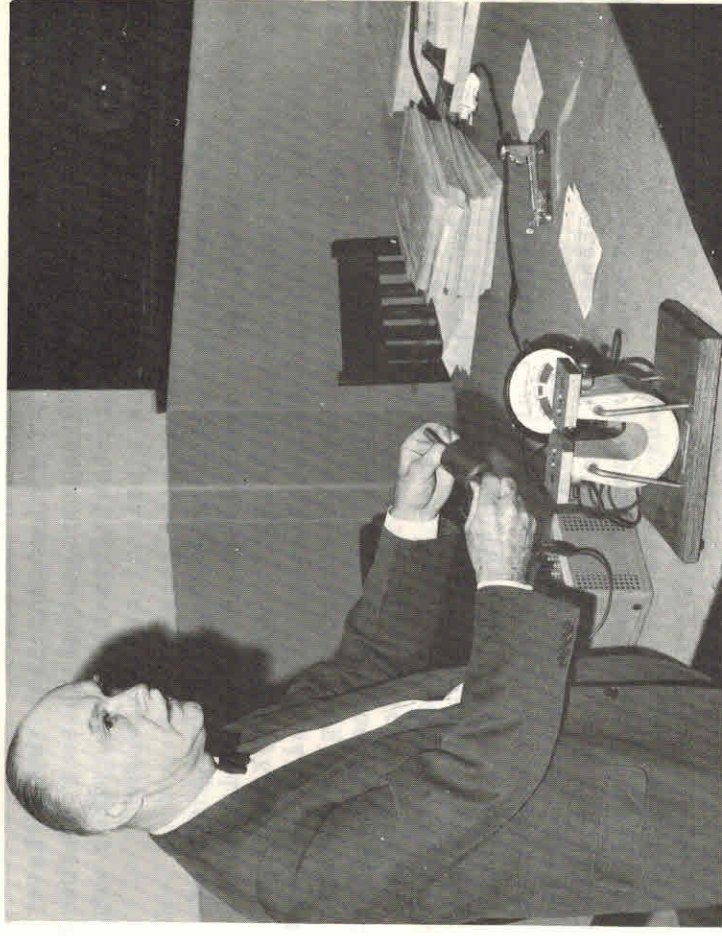
On Sept. 11, we saw slides and movies of some members' summer trips. Sept. 25 was the special 50th anniversary program, which was a king-sized whing-ding attended by nearly 200 hams and ex-hams in IPALCO Hall. Earl Springer narrated a showing of slides depicting the history of the club and of members' radio activieis, and a special guest speaker was Ed Handy, W1BDI, vice-president and communications manager of the ARRL.

On Oct. 9, Tech High School Radio Club members presented a program on their activities, and on Oct. 23 Art Schultz introduced us to his homebrew binary computer. A peek into some of the history and mysteries of magnetism were afforded by Bob Annis, ex-9CUD, on Nov. 13, and this was followed on Nov. 27 by the Lure of the Orient, an illustrated talk by Bob Kryter.

(cont'd next page)

The December schedule was the election on Dec. 11, and the Christmas party on Dec. 18. Quite a year. You should feel bad if you missed a single meeting during 1964.

Below are photos of Bob Annis with one of his magnetism demonstrations, and of Bob Kryter and his wife, who is wearing one of the souvenirs brought back from their trip.





## GREMLINS AGAIN

Proving that the Ama-Chewer is put out by human beings, there were a few errors in the last previous issue.

The ham looking for old call letter license plates is K3HNP, not K9HNP. The mailing address given was correct.

The diagram in the puzzle on a phase inverter should have shown the output signal 180 degrees out of phase with the input signal. How many figured out from the text, which was correct, that the answer is a pair of crossed wires?

Another error was the statement that Kevin Nelson, son of Paul Nelson, W9BHC, is a pupil at the Blind School. Bob Caskey, W9DNQ, administered the Novice test for Kevin, and when Bob reported Kevin had been issued the call WN9NBX, it was incorrectly understood by the stupid editor that Kevin was one of Bob's pupils in radio classes at the Blind School. After all, Bob has been active at the Blind School for years, and whenever he reports on a new call being received, it's at the Blind School, so naturally it seemed natural to assume that . . . that is, it was thought that . . . aw, nuts . . . the thing got all fouled up.

If this incompetence keeps up, the publisher and the editor of the Ama-Chewer will have their salaries cut!

\* \* \*

## HAM ADS

FOR SALE -- 500 watt CW rig, PP 813s, well constructed, 36" Bud Cabinet. C. L. Carter, 737, S. DeQuincy, FL 7-0119.

FOR SALE -- NC-183D receiver with speaker, \$150; Globe King 500B transmitter, \$300; Gonset Monitone, \$15; Vibroplex bug, \$5. H. M. Peterson, W9ZRK, LI 6-9385.

Model "B" Clegg interceptor VHF receiver. Like New. Bargain. Walt Smith, WA9BHV, LI 7-4557, 5529 Boy Scout Road.

AIRCRAFT RECEIVER -- Hallicrafters CRX-3, tunes 108-135 mc., includes airliner and control tower frequencies, good condition, with manual, \$50. Astatic D-104 crystal mike, \$10; Turner 95D dynamic mike, \$15. K9KTL, LI 7-8148.

## TROUBLE, TROUBLE EVERYWHERE

You think you got troubles? Man, wait 'till you hear Alvey's troubles! (Alvey Pittman, W9JJC--he's that tall, distinguished fellow who usually sits up front at meetings because he can't hear so well anymore.) He now buys fuses for his rig by the dozen.

It all started when he was in QSO with another ham in California. It's a long way to California, so Alvey was using the full gallon, when, all of a sudden, pow! A fuse blew.

So, back to the drawing board. After a day or so, he had the thing apart and in just a few hours discovered the B+ was arcing to the chassis through a broken feed through insulator. (If he wouldn't use such cheap parts, that wouldn't happen.) He just happened to have a replacement insulator (got 'em two for a nickel), and put it in. Turn on the rig. Pow! Another fuse. Dump the rig out on the bench again (that's quite a job with a 1 KW power supply), and, lo! The filament transformer was arcing to the chassis. Put some tape over that (real engineering, boy), and back on the air. Pow! Another you know what. Open up the works, and now the filter choke is arcing to ground. With that replaced, things seemed to work okay.

So, Alvey is back on the air-- I guess. But don't ask to see his collection of burned-out fuses. You know how sensitive he is.

\* \* \*

## QRV, EVERYBODY?

If you're a traffic hound, QRV means "I am ready to copy." If you're not a traffic hound, there's no excuse for not knowing how to become one. A series of articles, beginning in the October issue of QST, explains in detail how to handle messages in a systematic way on traffic nets.

Traffic handling is one of the fascinating and satisfying ways you can fulfill your obligation to perform public service with your ham operating. The newcomer sometimes is scared that it's all too complicated, but by studying these articles, you will have all the background necessary to plunge in and get your feet wet on a local or sectional net.



## WHO 'DAT CALLIN' DERE?

Regardless of individual operating tastes, there's one element of ham radio that applies to us all--station identification. With this common denominator, it would seem we all should be exposed to the subject so much we would be perfect at it. But I got a news flash for you, feller--t'ain't so!

Possibly because station identification is taken so much for granted, a large percentage of hams fail to fulfill FCC requirements with their "ID." Possibly it's related to the trait many of us have of mumbling our own names when we're introduced to a stranger. We know our names so well we don't take care to pronounce them right. With station identification, we do it so often we slip into bad habits without realizing it.

Most of us learned the CW routine for identification (W9ABC DE W9JP) when we started out, and so it became fixed firmly on our memories. Consequently most (although not all) CW identifications are done correctly. (Could it be that CW operators are just more careful?) But on phone, where we fall easily into the casual, conversational approach, even with perfect strangers, we quickly drop our guard, and sometimes get downright sloppy. Let's review some of the rules, and correct our mistakes. You may say these are petty details, but the FCC may feel otherwise. Besides, if we're going to do a thing, why not do it right?

On phone: State the call of the station or stations or the name of the recognized net with whom you are communicating, then say "This is" or "from," then state your call. (Sample: "W9ABC THIS IS W9JP.") In a series of short transmissions, this doesn't have to be done every time you open your yap--just often enough to satisfy the time requirement. Phonetics are not required, although sensible phonetics often help. FCC monitors have commented that many ham phone operators fail to pronounce their calls clearly. (Some letters do sound much alike, but a lot of guys don't even try for clarity.)

Mobile or portable operation: Use the above procedure, followed by the designation "portable" or "mobile," followed by your geographic location. (Sample: "W9ABC THIS IS W9JP PORTABLE INDIANAPOLIS.") Such designations as "W9JP PORTABLE NINE" are meaningless, as well as inadequate. (cont'd next page)

Yaas, I know you hear "everybody" doing it that way. This is one of the bad habits an incredible number of ops have fallen into, just by hearing "everybody else" doing it that way. It apparently was dragged over from CW operation, where the location is not required, but the call area or operation is required. Don't ask me why--that's the rule. On CW, you would send: "W9JP/9." That's all. (If you don't like the long form required on phone, then switch to CW, lazy bones.)

Incidentally, a portable station is any fixed station operated at a location other than that shown on the station license. A mobile station is one installed in a vehicle and capable of being operated while the vehicle is in motion. It doesn't matter where the vehicle is, or whether it is actually in motion, as long as the station is capable of operation while the vehicle is in motion. A "maritime mobile" station is one on shipboard in international waters. A guy who says he's "maritime mobile on Lake James" is just showing off his ignorance. An aeronautical mobile station is one in an aircraft on an international flight. If you want to say "W9JP MOBILE, AIRBORNE," just to give the guys a thrill, go ahead, it's your battery juice, but it's not required on domestic flights. When you give your location as being 2,000 feet over Podunk Center, it's gonna be fairly obvious you're either in some sort of aircraft, or else you got ahold of a mighty vicious jolt of B+.

It is hoped this article will help the many ops who have been consistently violating FCC rules accidentally by not being aware of and practicing correct identification procedures.

\* \* \* \* \*

## IT HAD TO HAPPEN SOME TIME

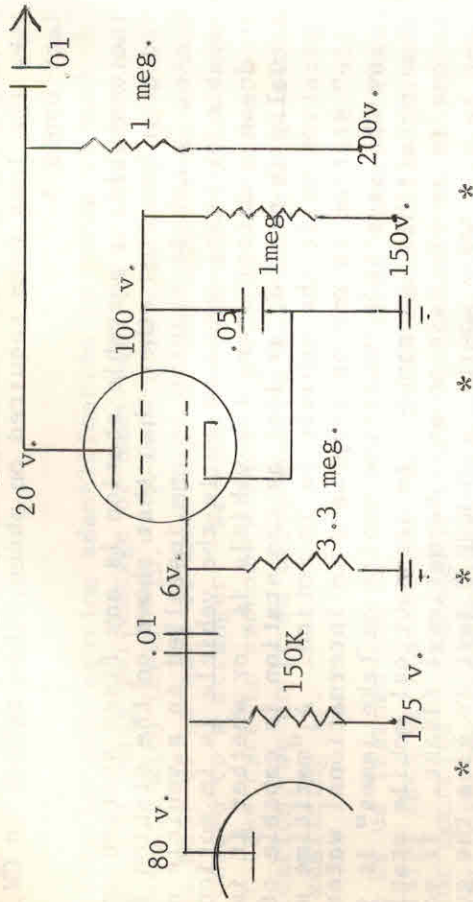
Some CW operator who apparently is able to copy phone and thereby pick up bad habits recently ended a transmission with "73s" -- in CW!

\* \* \* \* \*

It has been proved beyond doubt that smoking is one of the leading causes of statistics.



Below is the diagram of an audio amplifier stage with measured voltages as marked. Some signal is getting through, but with considerable distortion, and less than normal volume. The tube is good. Can you find the defective component without disconnecting anything?



# SCIENCE LURCHES ON

D. J. Angus, W9CYQ, and Ray Forbes, W9HNS, "de-bugged" D. J.'s receiver recently, or so they thought, but later had to admit their engineering talents weren't quite up to the job. As D. J. explains it, they traced the trouble to a particular capacitor, or as he called it, a "wooly worm." Ray's instruments indicated this capacitor was leaking, so they replaced it with a new capacitor. The set came back to life, but still didn't function to D. J.'s satisfaction. In checking it later, he found the "capacitor" they took out wasn't a capacitor at all; it was a resistor!

\* \* \*

Liberty is a boisterous sea. Timid men prefer the calm of despotism. -- Thomas Jefferson

In all the fanfare over the IRC's 50th anniversary, we plumb forgot to celebrate the 5th anniversary of the current format of the Ama-Chewer last October. (Format--that means the way the thing looks.)

Previously, the Ama-Chewer had been mimeographed, starting in 1940. What with the bargain basement printing job we get through Pat Husk, K9EUQ, the IRC has been fortunate for the past five years to be able to publish a magazine-type paper, with photographs, art work and all the trimmings, such as many radio clubs don't have. ('Course it would be a lot better if more members would turn in news items.)

So, happy belated fifth birthday anniversary to us!

\* \* \*

CQ CQ CQ DX

Most of the IRC certificates for 25 or more contacts with hams in Marion County go to local operators, but some travel quite a distance. A certificate for 25 contacts with local operators has just been issued by the club to Giuseppe de Luca, ITLAGA, in Palermo, Sicily.

\* \* \*

MERRY CHRISTMAS & A HAPPY NEW YEAR  
from

VAN SICKLE RADIO SUPPLY COMPANY

4131 N. KEYSTONE AVENUE

\* We stock complete lines of HAM GEAR

\*We offer FAST - CONVENIENT PERSONAL SERVICE

\* Longest Trades - E - Z Terms - Used Bargains

See: Gene-W9KJF \* Chuck-K9UDW \* Jim-WN9MXX



It has been said many times before, but if cannot be repeated too often: for better enjoyment of our frequencies and to accomplish more on the air, you just can't beat courteous, competent operating. Let's all become candidates for A-1 Operator certificates by following these recommendations by the ARRL:

Make proper choice of bands below 30 Mc. appropriate to the distance to be covered.

Achieve equipment flexibility so that an adequate choice of frequency bands and powers may be available.

Use minimum bandwidth, consistent with good engineering practice and compatible with the mode of transmission being employed.

Expand the use of VHF for local contacts wherever possible, with the ultimate aim of conducting all short-distance communications in this portion of the spectrum.

Use the minimum power necessary for each communication.

Listen carefully before transmitting; be brief; use VOX or break-in CW; use dummy antenna for tune-ups; give honest signal reports; monitor with gear that directly samples your on-the-air signal.

Observance of these good operating practices, along with an uncommon amount of "common sense" and courtesy, will, in effect, widen our bands.

#### OUR WANDERING MINISTER

A post card from Jim Sugioka, W9CKB, from Hong Kong, dated Thanksgiving Day, said "Today we head for Philippines. Saw some J fellows in Japan, KR6 in Okinawa and VS6 in Hong Kong. Will tell you more when I get back. Note postage (\$1) is more than the value of the card. A land of contrasts. 73 to the IRC gang and Merry Christmas and Happy New Year."

Didja' ever wonder . . .  
Why a ham transmitter is called a rig?

What comes between 73 and 88?

Why human offspring are called harmonics instead of hetrodynes?

Where a bug got its name?

What happens to all the power that's radiated from a transmitting antenna?

If Hamlet was really thinking of 75-meter QRM when he said ". . . full of sound and fury, signifying nothing"?

Why the chairs at club meetings seem to squeek louder during dull programs than during interesting ones?

#### THE PUBLIC IS WATCHING US

The IRC has been credited by name in The Pilot, monthly magazine published by the Aircraft Owners and Pilots Association, for helping with state-wide communications last summer during the Ninety-Nines penny-a-pound airlifts.

#### GRAHAM'S SPECIALS

Heath DX-100	. . . . .	\$ 89.00
Heath DX-60	. . . . .	\$ 69.00
Hallcrafters SR-150	. . . . .	\$487.50
Hallcrafters SX-111	. . . . .	\$175.00
Hallcrafters SX-100	. . . . .	\$165.00
National NC-155 Receiver	. . . . .	\$150.00
Gonset G-50	. . . . .	\$220.00
Hammarlund HQ 110-C	. . . . .	\$159.00
Hammarlund HQ 170-C	. . . . .	\$265.00
P & H 6-150 Transverter	. . . . .	\$140.00
Lafayette HE 45 Transceiver	. . . . .	\$ 69.00
Lafayette HE 10 Receiver	. . . . .	\$59.00



Official Bulletin Nr 979 Nov. 20, 1964  
The Post Office Department has announced that the amateur radio commemorative stamp will go on sale first in Anchorage, Alaska, on December 15 and in all other post offices the following day. Anchorage was chosen because of the emergency communications performance by amateurs during the earthquakes this year. The Anchorage Amateur Radio Club will furnish its own Alaskan first day cover for twenty five cents. Orders go direct to the club, Box 211, Anchorage, Alaska. Information on ARRL covers is in September, October and November QSTs. (This was read at club meeting before deadline.)

Official Bulletin Nr 980 Nov. 20, 1964  
(Only the part pertaining to the Central Division is reprinted here.)

The ARRL committee of tellers met today to count ballots in the elections just concluded for ARRL director and vice director. The number of votes credited to each candidate is as follows. The first listed candidate is declared elected for the next term of office.

In the Central Division for vice director,  
Edmond A. Metzger, W9PRN, 1046  
George W. Bergman, W9CA, 828  
Sidonius M. Pokorny, W9NRP, 509  
William H. Siebenmorgen, W9THO, 473  
Everett L. Hanna, W9NWK, 395  
Adrian Z. Hodson, W9HOT, 79

The new directors and vice directors take office starting January 1, 1965. As of that date the following addition-ally take office, likewise for two-year term, in view of election procedure previously completed: Central Division director Philip E. Haller, W9HPG. See details of these earlier actions page 56, November QST.

Incidentally, copying these bulletins from W1AW in the evening is an excellent way to improve your code copying ability. The bulletin transmissions include the Official Bulletins, such as printed above, plus Special Bulletins (on urgent matters or topics interesting to only a segment of the amateur fraternity), and high frequency propagation forecasts. See QST for the W1AW bulletin transmission schedule.

It's not often you can enter a contest with a guarantee of winning a prize, but the IRC is in just such a position, IF enough members help out.

Hallicrafters has a "new ideas" contest going now. They want hams to send in ideas on improvements that could be made to amateur radio. These may be in any facet of ham activity. Public service, emergency communications, technical developments, and operating procedures are just a few of the possible subjects. Every ham has some ideas along these lines, so there's no reason why everyone shouldn't enter. You may win a prize for yourself--there's some fancy Hallicrafters equipment to be given away to individual winners.

And the club also can win just by YOUR help in entering the contest. Each club which has 20 members entering the contest will receive a Splatter Guard, and each club which has 50 members entering will receive an electronic keyer.

Either would make a good prize for auction night, or home brew night or some other club activity without costing the club a cent.

The deadline for entering is Dec. 31. So hurry. Don't let the Christmas hubbub keep you from getting down to Graham's or Van Sickle's for an entry blank. Fill it out, make sure you put down that you are a member of the Indianapolis Radio Club, and get it back to the store BEFORE DECEMBER 31. Go, man, like NOW!

\* \* \*

WANTED -- FOR MURDER

Jerry Lucas, W9APJ, admits to having "killed" an oscillator. Now he needs someone to bring it back to life. He was calibrating a VFO and decided to test it, according to directions, by touching the hot end of the coil. If everything was working properly, this shouldn't affect the plate current. Jerry touched the hot end of the coil; the plate current held steady; but the oscillator died and hasn't come to life yet, despite many hours of first aid efforts. Wonder where good oscillators go when the die?

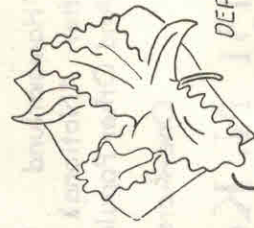


**JOS. G.  
CHARPIE**  
Television Service  
W9MW-PROPRIETOR

**QUALITY SERVICE**  
on  
• TELEVISION • RADIO  
• RECORD PLAYERS • HI-FI  
• STEREO

2954 N. College WA 5-8144

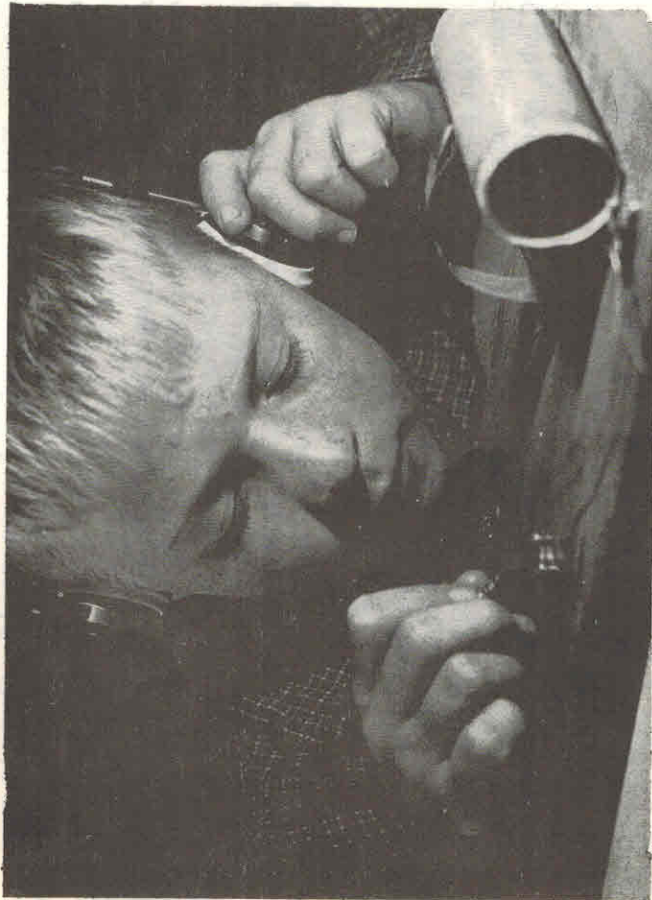
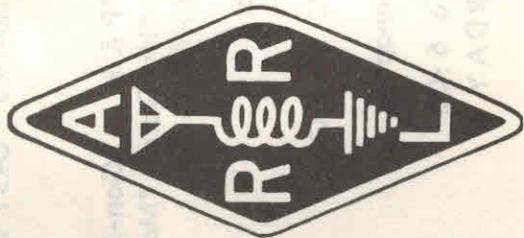
*Fine Flowers*  
FOR EVERY  
OCCASION



CITY WIDE  
DELIVERY

COMPLETELY  
DEPENDABLE SERVICE

**SCHWOMEYER  
FLORIST**  
1844 SHELBY  
ST 6 9253  
ROY W9YMV



WILL THERE EVER BE A THRILL  
LIKE THAT AGAIN?